

CLAIMS

1. An image transmission system for a mobile robot, comprising:
 - a camera for capturing an image as an image signal;
 - 5 a microphone for capturing sound as a sound signal;
 - human detecting means for detecting a human from the captured image and/or sound;
 - a power drive unit for moving the robot toward the detected human;
 - 10 an image cut out means for cutting out an image of the detected human according to information from the camera; and
 - image transmitting means for transmitting the cut out human image to an external terminal.
2. An image transmission system according to claim 1, wherein the system is adapted to detect a moving object from the image signal obtained from the camera, and determine that the object is a human from color information of the moving object.
3. An image transmission system according to claim 1, wherein the system is adapted to determine a direction of a sound source from the sound signal obtained from the microphone.
4. An image transmission system according to claim 1, further comprising means for monitoring state variables including a current position of the robot; the image transmitting means transmitting the monitored state variables in addition to the cut out human image.

5. An image transmission system according to claim 1, wherein the system is
adapted to have the robot direct the camera toward the position of the detected human.

5 6. An image transmission system according to claim 1, wherein the system
further comprises means for measuring a distance to the detected human according to
the information from the camera, and providing a target of a movement to said mobile
robot.